

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011620

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/39 A61P31/02 A61P31/12 A61P37/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 375 945 B1 (BOON THIERRY ET AL) 23 April 2002 (2002-04-23) column 1, line 14 - line 24 column 3, line 31 - column 4, line 33 claims; examples	1-32
X	WO 99/56775 A (AKZO NOBEL N.V.; NICOLSON, LESLEY; RIJKE, ERIC, ONNO) 11 November 1999 (1999-11-11) page 2, line 22 - page 3, line 19 page 4, line 15 - line 26 claims; examples	1-32
X	US 6 355 256 B1 (NOGUCHI YUJI ET AL) 12 March 2002 (2002-03-12) column 1, line 10 - line 27 claims; examples	1-32
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the International search

9 February 2005

Date of mailing of the International search report

17/02/2005

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INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KIM J J ET AL: "MODULATION OF AMPLITUDE AND DIRECTION OF IN VIVO IMMUNE RESPONSES BY CO-ADMINISTRATION OF CYTOKINE GENE EXPRESSION CASSETTES WITH DNAIMMUNOGENS" EUROPEAN JOURNAL OF IMMUNOLOGY, WEINHEIM, DE, vol. 28, 1998, pages 1089-1103, XP000914724 ISSN: 0014-2980 the whole document	1-32
A	WO 98/18810 A (THE UNIVERSITY OF IOWA RESEARCH FOUNDATION; KRIEG, ARTHUR, M; KLINE, J) 7 May 1998 (1998-05-07) page 27, line 34 page 50, line 19 claim 27	1-32
A	WO 01/58956 A (BASF AKTIENGESELLSCHAFT; GHAYUR, TARIQ; DIXON, RICHARD, W; ROGUSKA, MI) 16 August 2001 (2001-08-16) page 14; table 5	1-32
A	WO 01/57219 A (SCHERING CORPORATION) 9 August 2001 (2001-08-09) figure 1	1-32

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-9 and 26 are directed to a method of treatment of the human body, the search has been carried out and based on the alleged effects of the composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Information on patent family members

International Application No

PCT/EP2004/011620

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6375945	B1	23-04-2002	CA 2293614 A1	23-12-1998
			EP 0977589 A1	09-02-2000
			JP 2002504135 T	05-02-2002
			CA 2294051 A1	23-12-1998
			WO 9857659 A1	23-12-1998
			WO 9857660 A1	23-12-1998
			EP 1001808 A1	24-05-2000
			JP 2002504136 T	05-02-2002
			US 2002160011 A1	31-10-2002
WO 9956775	A	11-11-1999	AU 3827699 A	23-11-1999
			CA 2328059 A1	11-11-1999
			WO 9956775 A1	11-11-1999
			EP 1075275 A1	14-02-2001
			JP 2002513547 T	14-05-2002
US 6355256	B1	12-03-2002	AU 3735095 A	26-04-1996
			WO 9610423 A1	11-04-1996
			ZA 9508230 A	15-07-1996
WO 9818810	A	07-05-1998	US 6207646 B1	27-03-2001
			AU 5242498 A	22-05-1998
			CA 2270345 A1	07-05-1998
			CN 1235609 A	17-11-1999
			EP 0948510 A1	13-10-1999
			JP 2001503267 T	13-03-2001
			JP 2003286174 A	07-10-2003
			JP 2004041224 A	12-02-2004
			KR 2000052994 A	25-08-2000
			NZ 335397 A	24-11-2000
			WO 9818810 A1	07-05-1998
			US 2003100527 A1	29-05-2003
			US 6429199 B1	06-08-2002
			US 2003191079 A1	09-10-2003
			US 6653292 B1	25-11-2003
			US 2004106568 A1	03-06-2004
			US 2004147468 A1	29-07-2004
			US 2004087538 A1	06-05-2004
			US 2004132685 A1	08-07-2004
			US 2004167089 A1	26-08-2004
			US 2004198688 A1	07-10-2004
			US 2003050261 A1	13-03-2003
			US 2005004061 A1	06-01-2005
			US 2004229835 A1	18-11-2004
			US 6239116 B1	29-05-2001
WO 0158956	A	16-08-2001	AU 3680701 A	20-08-2001
			BG 107045 A	30-05-2003
			BR 0108188 A	25-02-2003
			CA 2399148 A1	16-08-2001
			CN 1461310 T	10-12-2003
			EP 1257585 A2	20-11-2002
			HU 0300423 A2	28-06-2003
			JP 2004500086 T	08-01-2004
			NO 20023788 A	09-10-2002
			PL 356836 A1	12-07-2004
			SK 12942002 A3	02-05-2003
			WO 0158956 A2	16-08-2001

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Information on patent family members

International Application No

PCT/EP2004/011620

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0158956 A		ZA 200206266 A	06-11-2003
WO 0157219 A	09-08-2001	AU 3321201 A	14-08-2001
		WO 0157219 A2	09-08-2001
		US 2002102234 A1	01-08-2002

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